









## SCIENCE NOTES.

W. G. P.

## HOW PLANETS GROW.

Mr. Edwin Sharpe Grew, a very capable authority on recent theories of cosmogony, writes an interesting account of planetary evolution under the title of "The Growth of a Planet." Among the hundred million bright stars and nebulae visible in the heavens, the origin of each is a mystery. The solar system is represented, and if we could arrange them in the right order we should have a distribution in space corresponding to a distribution in time, just as we have in the case of animal and plant life. Among other objects, there are about half a million bright nebulae, and these are now generally regarded as the raw material of worlds.

Many of these nebulae are gaseous, and are in the process of condensing. The condensation is caused by the action of gravity, and as the nebula contracts, it becomes hotter and denser. The heat is produced by the friction of the gas molecules, and the density is increased by the condensation of the gas into liquid and solid form.

The heat and the density of the nebula are increased by the action of gravity, and the condensation of the gas into liquid and solid form. The heat is produced by the friction of the gas molecules, and the density is increased by the condensation of the gas into liquid and solid form. The heat is produced by the friction of the gas molecules, and the density is increased by the condensation of the gas into liquid and solid form.

Now, if the nebula falls to dust, it will form a protostar. The protostar is a small, dense, hot body, and it is the beginning of a new star. The protostar is surrounded by a cloud of gas and dust, and it is the beginning of a new star.

Unless the nebula does that work, it will not form a protostar. The protostar is a small, dense, hot body, and it is the beginning of a new star. The protostar is surrounded by a cloud of gas and dust, and it is the beginning of a new star.

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## THE SOUTH POLE.

## ATTACK ON THE ANTARCTIC.

## A RUSH OF EXPLORATION.

(By ERNEST E. JOYCE, Member of Scott's and Shackleton's Parties.)

The history of the Antarctic region dates back to the 16th century. The earliest reference to the continent is found in the accounts of the Portuguese explorer, Vasco da Gama, who sailed to the Cape of Good Hope in 1497. He was the first to see the continent, and he named it "Terra Australis Incognita." The name was used for many years, and it was not until the 18th century that the name "Antarctica" was first used.

Another curious indication of the same nature is to be found in the conversation of the Italian traveller, Lodovico di Varthema, who visited the East Indies in the 15th century. He was the first to see the continent, and he named it "Terra Australis Incognita." The name was used for many years, and it was not until the 18th century that the name "Antarctica" was first used.

The manner in which the will of mystery was first lifted from the Southern Hemisphere, was naturally enough, by the extension of exploration along the coast of the continent. The first expedition to the continent was that of James Cook, who sailed to the Cape of Good Hope in 1770. He was the first to see the continent, and he named it "Terra Australis Incognita." The name was used for many years, and it was not until the 18th century that the name "Antarctica" was first used.

When the discovery of the continent was made, it was a great discovery. The continent was a new world, and it was a great discovery. The continent was a new world, and it was a great discovery. The continent was a new world, and it was a great discovery.

How complete was the ignorance of Southern conditions at the commencement of the 19th century? It is difficult to say. The continent was a new world, and it was a great discovery. The continent was a new world, and it was a great discovery. The continent was a new world, and it was a great discovery.

When two bodies approach each other, they are attracted to each other. The attraction is a force, and it is a force. The attraction is a force, and it is a force. The attraction is a force, and it is a force.

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known of Bellinghousen's voyage, as the narrative was never translated into English from the original. But the idea of a great and populous southern continent, though weakened, was not so much as it was. The discovery of the continent was a great discovery, and it was a great discovery. The discovery of the continent was a great discovery, and it was a great discovery.

As regards the southern sea, the early years of the nineteenth century were marked by the discovery of the continent. The discovery of the continent was a great discovery, and it was a great discovery. The discovery of the continent was a great discovery, and it was a great discovery.

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## What One Ought to Know.

Most of the ills from which we suffer have their origin within our bodies, and are due to interruption of Nature's laws. Knowledge of these laws is necessary to everyone, but, unfortunately, most people have but a nodding acquaintance with them. For instance, how many of us fully realise the fact that every atom of our lives our blood is being continuously contaminated by various poisons actually created by the wear and tear of our flesh or "tissues"? These poisons must be expelled from the system by natural means, as fast as they are produced, or we must suffer from disease. Each movement we make, each breath we draw, necessitates waste of tissue, and the tissue wasted, or used up, is converted into poisonous waste material.

It is just as essential to life that the body should waste, as it is that its substance should be constantly renewed, or replaced, by an adequate supply of fresh air, water, and food. We, therefore, give a few typical examples of the manner in which waste is taken place.

When a man draws a breath he fills his lungs with air. Fresh air is composed of oxygen diluted with nitrogen. When a man empties his lungs by breathing out it is found that oxygen has been taken from the air, and that the breath exhaled contains a large amount of carbonic acid. The man did not breathe in the carbonic acid. It would be impossible for him to do so, as this gas, when pure, is highly poisonous. It is carbonic acid which sometimes fills the workings of coal mines, and causes so many lamentable deaths amongst the miners. So deadly is it that a flame will not burn in it. The carbonic acid in the breath is actually made in the body from carbon taken in the form of food, etc.

The quantity of solid carbon thus exhaled in the breath every twenty-four hours is equal to eight ounces of pure charcoal.

Another way in which our bodies waste is through the skin. The skin, which looks passive, is really always working hard, ridding the body of poisons, which, if not removed, would be just as dangerous to life as carbonic acid. The skin excretes these poisons in the form of perspiration, and, although it may not be visible, perspiration is oozing from us all the time. If a man were completely covered with a coating of waterproof material he would live but a very little while.

The skin, lungs, kidneys and liver are the organs upon which we are dependent for the extraction of poisonous matter from the blood, and its removal from the system. It is, however, not with the skin and lungs that we now propose to deal. The skin, as a general thing, needs but regular treatment with good soap and water and it will do its duty perfectly and without complaint. The lungs are vigorous organs, and we are soon

made aware of any interference with their action by a fit of coughing or a choking sensation. It is the importance of looking after the health of the kidneys and liver which it is desirable to emphasize. These organs are the most delicate of all those engaged in extracting and removing from the blood the waste poisons as fast as they are produced in the body. Unless the kidneys and liver are in a fit state to thoroughly perform their task, the particular poisons, which it is their duty to make and extract, will remain in the system, and as the kidneys and liver are often unable to tell us directly by a sensation of pain that there is anything the matter with them, we are probably unaware of their failure until we begin to suffer from rheumatism, gout, neuralgia, lumbago, backache, sciatica, blood disorders, anaemia, indigestion, biliousness, jaundice, sick headache, general debility, gravel, stone or bladder troubles—all of which complaints are caused by the retention in the body of urinary and biliary poisons.

In order that life may be sustained, a certain quantity of nitrogen must be contained in the food we eat. The nitrogen in the air is not absorbed into the system through the lungs. The body is continuously demanding a fresh supply of nitrogen to replace the constant waste of this element, and such fresh supply can be derived only from digested food. As the body tissues waste, nitrogen is liberated in the form of urea and uric acid, which, should, in due course, be eliminated by the kidneys. When urea and uric acid are not formed in excess, and the kidneys are working healthily, the two poisons leave the body in solution in the urine, and are consequently harmless; but if the kidneys, through weakness or disease, are incapable of performing their duty, or if nitrogen is contained in our food in quantity so excessive that even healthy kidneys cannot cope with it, the blood is not properly purified, and we suffer from uric poisoning in some or more of its numerous forms. Headache, Depression, Low Temperature, Anaemia, and Arthritis are all associated with the presence of an excess of uric acid; whilst Rheumatism, Gouty affections, colic, and the deposition of uric acid in the joints and tissues. Digestive troubles and defective nutrition are often due to the presence of this acid, the contaminated blood being deprived of its power to absorb food. Uric acid crystals deposited in the bladder form Gravel and Stones. In cases of nervous breakdown, insanity, or epilepsy, uric acid is frequently shown to be in excess. In fact, an excess of uric acid accompanies half the ills which afflict humanity. Every person who is in moderate good health, and most people have but moderate health—would feel far better and enjoy life more completely if the extraction of uric poisons were properly performed.

formed by the kidneys; whilst a person who is feeling out of sorts, miserable, and generally run down, has, in all probability, an excess of uric acid in the blood.

The kidneys are situated in the small of the back, one on each side of the spine. Human kidneys are similar in shape to those of a sheep, but are somewhat larger. They are encased in fat, and are supplied with arteries which convey blood to them, the particular poisons, which it is their duty to make and extract, will remain in the system, and as the kidneys and liver are often unable to tell us directly by a sensation of pain that there is anything the matter with them, we are probably unaware of their failure until we begin to suffer from rheumatism, gout, neuralgia, lumbago, backache, sciatica, blood disorders, anaemia, indigestion, biliousness, jaundice, sick headache, general debility, gravel, stone or bladder troubles—all of which complaints are caused by the retention in the body of urinary and biliary poisons.

When a person is in good health these waste poisons are dissolved in the water taken from the blood by the kidneys, and the solution is passed through narrow passages leading from each kidney into the bladder, and thence expelled from the body. This solution is known as urine. Some of the poisons contained in urine are animal matter, such as urea and uric acid; others are mineral matter, being salts of lime, magnesia, potash, and soda.

Unless the kidneys do that work thoroughly the waste matter is incompletely extracted from the blood, and becomes actively poisonous, causing us to suffer from disorders which cannot be cured until the kidneys are restored to health and activity.

After the blood is filtered and purified by the kidneys it enters the veins, and in due time returns to the heart, being in the meanwhile traversed by the kidneys and liver, restoring them to health and activity when they are diseased or feeble. Even disorders diagnosed as Bright's Disease—i.e. of the most fatal of diseases—frequently have yielded to treatment by this remarkable medicine. Many people have failed to understand why the kidneys cause so many complaints, seemingly so different as rheumatism, gout, lumbago, neuralgia, backache, sciatica, blood disorders, anaemia, indigestion, biliousness, jaundice, sick headache, general debility, gravel, stone and bladder troubles. The explanation is very simple. All the disorders caused by the kidneys are due to the inability of the kidneys and liver to extract and expel urinary and biliary poisons.

By restoring the kidneys to health and activity, Warner's Safe Cure enables those organs to properly perform their function; and to free the blood from uric and biliary poisons when pain and sickness, caused by the presence of such poisons, necessarily cease. Thus the cure effected are natural cures.

A pamphlet, containing full particulars relating to Warner's Safe Cure and accounts of many remarkable cases of restoration to health when other means had failed, will be sent post free, on request, by Mr. H. Warner and Co., Limited, Australasian Branch, Melbourne.

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OUR "FLAG" RECORDS are the Best on the Market, are Double-sided, and Fully Guaranteed. WE CONTROL THE LARGEST STOCK OF RECORDS IN THE WORLD.

REMEMBER! We make no extra charge for our Records. We have One Price only. Purchasers in the ordinary way of business pay the same as those to whom we give a Rondophone.

THE RONDOPHONE IS GIVEN AWAY ABSOLUTELY FREE as Stated Above.

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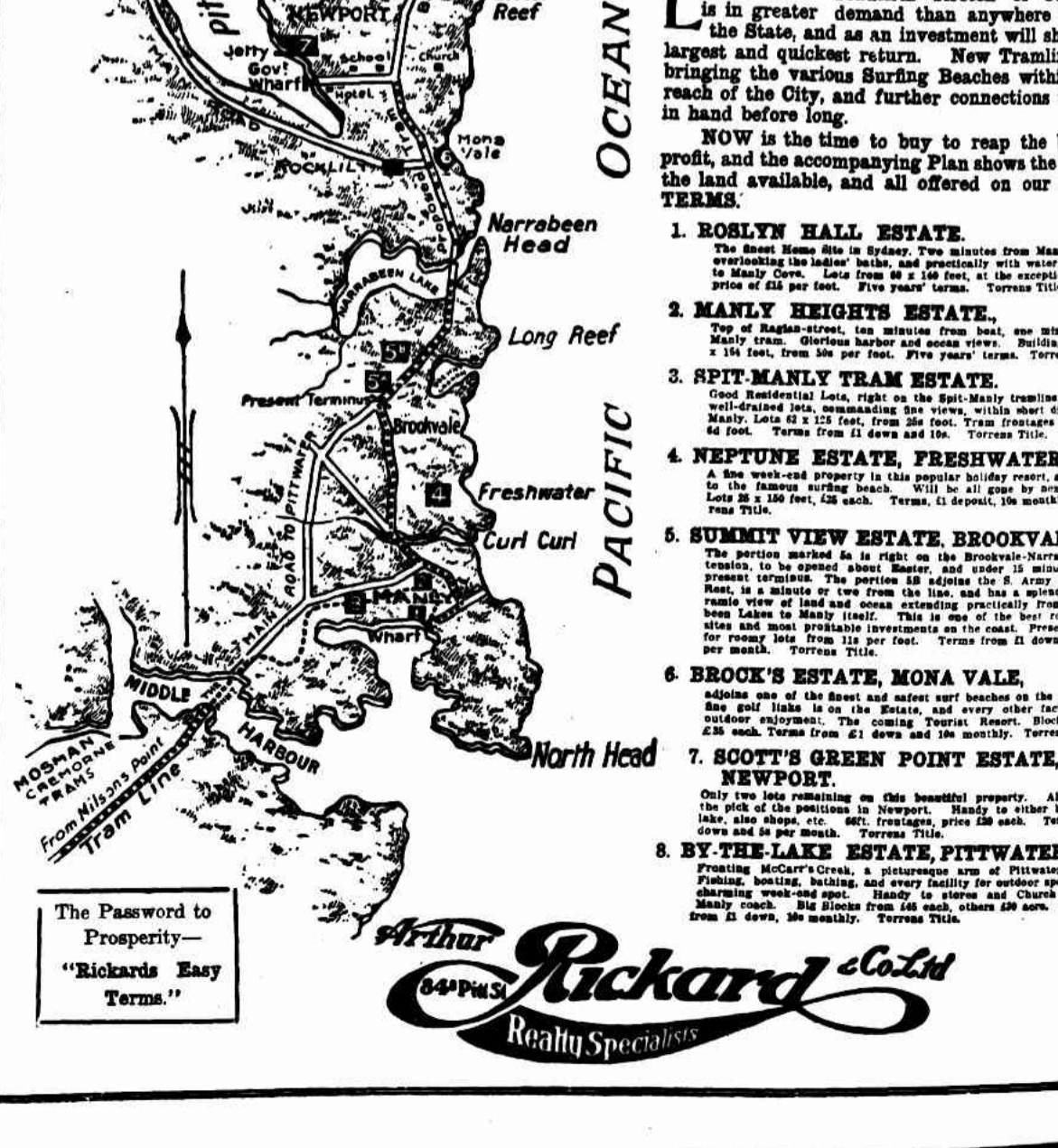
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No. 57. Guaranteed under the  
"Pure Food Act, 1908," by Lever  
Brothers Limited, Sydney. No. 57.

Mr. Walter W. Crockford, Under-Sheriff of the Supreme Court, and Mrs. Crockford entertained a party of about 50 guests at their residence, Kiore, Hunter's Hill, on Thursday evening, the 22nd ult., to celebrate the 51st birthday of their eldest daughter, Olive Norma. The grounds and verandah overlooking the Lane Cove River were charmingly decorated with lamps and Chinese lanterns, and all regretted the necessity of leaving early to reach home in the distant rail and

lined in seed pearls and crystals. Her Limerick lace veil (made by her friend, Miss McGauran) was arranged beneath a wreath of orange blossoms. She carried a shower bouquet of white blossoms, which, with earrings and necklace of pearls and tourmalines, was the gift of the bridegroom. The Misses Rila and Nellie Larkin were bridesmaids, and Miss Mary McCauley train-bearer. Their dainty frocks of white organdie muslin had wide

**G A**  
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**Turin, January 15th, 1912**

Believe us to be, Dear Sirs, Very Truly Yours,

FOR FURTHER DETAILS AND DEMONSTRATION APPLY TO:—

**ALICK McNEIL, General Manager**

Telephones, 583 and 584 City

**You know  
when Mon-  
key Brand  
has cleaned  
them; they  
are all really  
cleaned and  
polished**

## SO EASILY TOO

[illegible][illegible]

The Public Works Committee left for New Castle last evening to inquire upon the proposed to construct a tramway from Broadmeadow to West Wyalatah. The committee will investigate generally the graving dock project.

**BROADMEADOW-WARATAH TRAMWAY.**

The Public Works Committee left for New Castle last evening to inquire upon the proposed to construct a tramway from Broadmeadow to West Wyalatah. The committee will investigate generally the graving dock project.

**WEST WYALATAH MINING DISASTERS RELIEF.**

The executive committee of the New South Wales Public Disaster Relief Fund has received additional contributions from the following persons, as announced by the recent mining disaster at West Wyalatah:

Long—£200  
Preston—£200  
Independent Order of Oddfellows—£200  
H. L. Kishner—£200  
W. E. Babin—£200

**BATHURST, Friday**

[illegible]

All Americans do not ruin their digestion

[illegible]

beef, and next some out-of-the-way dish, as  
as roast bear steak or moose neck. After  
a lobster before dessert made up  
of fruits, cheese, and coffee. Four or five  
wines are served with the different  
courses in order to assist digestion. Mr.  
Morrin smokes six or eight lar-  
garens, made especially to his  
sovereign "piece."

PERSONAL CHARM is the nat-  
ure of a beautiful complexion, and a  
kindness of nature which makes one  
pleasant to the company.

W.R.C.	.....	0
C. E. Mitchell	.....	0
A Friend	.....	0
	E\$40	

Further contributions will be received by the  
 orary treasurers in the fund, the Lord Mayor of  
 sey, Mr. J. Russell French, Bank of New South W  
 nedey, and Mr. T. A. Tiblis, Commercial Ban  
 clerk of Sydney, Limited, and Mr. T. H. Nes  
 town clerk, hon. secretary to the fund.

If you feel bilious it shows that your li  
 is sluggish and needs correcting. Cham  
 lain's Tablets will do this.—Advt.



## ITS PROSPECTS ANALYSED.

[illegible]

## Water-frontage BLACK, 44 acres. 1904.

[illegible]



**HOUSES AND LAND FOR SALE**

A. B. MCGILL, 1000-1001, 1002-1003, 1004-1005, 1006-1007, 1008-1009, 1010-1011, 1012-1013, 1014-1015, 1016-1017, 1018-1019, 1020-1021, 1022-1023, 1024-1025, 1026-1027, 1028-1029, 1030-1031, 1032-1033, 1034-1035, 1036-1037, 1038-1039, 1040-1041, 1042-1043, 1044-1045, 1046-1047, 1048-1049, 1050-1051, 1052-1053, 1054-1055, 1056-1057, 1058-1059, 1060-1061, 1062-1063, 1064-1065, 1066-1067, 1068-1069, 1070-1071, 1072-1073, 1074-1075, 1076-1077, 1078-1079, 1080-1081, 1082-1083, 1084-1085, 1086-1087, 1088-1089, 1090-1091, 1092-1093, 1094-1095, 1096-1097, 1098-1099, 1100-1101, 1102-1103, 1104-1105, 1106-1107, 1108-1109, 1110-1111, 1112-1113, 1114-1115, 1116-1117, 1118-1119, 1120-1121, 1122-1123, 1124-1125, 1126-1127, 1128-1129, 1130-1131, 1132-1133, 1134-1135, 1136-1137, 1138-1139, 1140-1141, 1142-1143, 1144-1145, 1146-1147, 1148-1149, 1150-1151, 1152-1153, 1154-1155, 1156-1157, 1158-1159, 1160-1161, 1162-1163, 1164-1165, 1166-1167, 1168-1169, 1170-1171, 1172-1173, 1174-1175, 1176-1177, 1178-1179, 1180-1181, 1182-1183, 1184-1185, 1186-1187, 1188-1189, 1190-1191, 1192-1193, 1194-1195, 1196-1197, 1198-1199, 1200-1201, 1202-1203, 1204-1205, 1206-1207, 1208-1209, 1210-1211, 1212-1213, 1214-1215, 1216-1217, 1218-1219, 1220-1221, 1222-1223, 1224-1225, 1226-1227, 1228-1229, 1230-1231, 1232-1233, 1234-1235, 1236-1237, 1238-1239, 1240-1241, 1242-1243, 1244-1245, 1246-1247, 1248-1249, 1250-1251, 1252-1253, 1254-1255, 1256-1257, 1258-1259, 1260-1261, 1262-1263, 1264-1265, 1266-1267, 1268-1269, 1270-1271, 1272-1273, 1274-1275, 1276-1277, 1278-1279, 1280-1281, 1282-1283, 1284-1285, 1286-1287, 1288-1289, 1290-1291, 1292-1293, 1294-1295, 1296-1297, 1298-1299, 1300-1301, 1302-1303, 1304-1305, 1306-1307, 1308-1309, 1310-1311, 1312-1313, 1314-1315, 1316-1317, 1318-1319, 1320-1321, 1322-1323, 1324-1325, 1326-1327, 1328-1329, 1330-1331, 1332-1333, 1334-1335, 1336-1337, 1338-1339, 1340-1341, 1342-1343, 1344-1345, 1346-1347, 1348-1349, 1350-1351, 1352-1353, 1354-1355, 1356-1357, 1358-1359, 1360-1361, 1362-1363, 1364-1365, 1366-1367, 1368-1369, 1370-1371, 1372-1373, 1374-1375, 1376-1377, 1378-1379, 1380-1381, 1382-1383, 1384-1385, 1386-1387, 1388-1389, 1390-1391, 1392-1393, 1394-1395, 1396-1397, 1398-1399, 1400-1401, 1402-1403, 1404-1405, 1406-1407, 1408-1409, 1410-1411, 1412-1413, 1414-1415, 1416-1417, 1418-1419, 1420-1421, 1422-1423, 1424-1425, 1426-1427, 1428-1429, 1430-1431, 1432-1433, 1434-1435, 1436-1437, 1438-1439, 1440-1441, 1442-1443, 1444-1445, 1446-1447, 1448-1449, 1450-1451, 1452-1453, 1454-1455, 1456-1457, 1458-1459, 1460-1461, 1462-1463, 1464-1465, 1466-1467, 1468-1469, 1470-1471, 1472-1473, 1474-1475, 1476-1477, 1478-1479, 1480-1481, 1482-1483, 1484-1485, 1486-1487, 1488-1489, 1490-1491, 1492-1493, 1494-1495, 1496-1497, 1498-1499, 1500-1501, 1502-1503, 1504-1505, 1506-1507, 1508-1509, 1510-1511, 1512-1513, 1514-1515, 1516-1517, 1518-1519, 1520-1521, 1522-1523, 1524-1525, 1526-1527, 1528-1529, 1530-1531, 1532-1533, 1534-1535, 1536-1537, 1538-1539, 1540-1541, 1542-1543, 1544-1545, 1546-1547, 1548-1549, 1550-1551, 1552-1553, 1554-1555, 1556-1557, 1558-1559, 1560-1561, 1562-1563, 1564-1565, 1566-1567, 1568-1569, 1570-1571, 1572-1573, 1574-1575, 1576-1577, 1578-1579, 1580-1581, 1582-1583, 1584-1585, 1586-1587, 1588-1589, 1590-1591, 1592-1593, 1594-1595, 1596-1597, 1598-1599, 1600-1601, 1602-1603, 1604-1605, 1606-1607, 1608-1609, 1610-1611, 1612-1613, 1614-1615, 1616-1617, 1618-1619, 1620-1621, 1622-1623, 1624-1625, 1626-1627, 1628-1629, 1630-1631, 1632-1633, 1634-1635, 1636-1637, 1638-1639, 1640-1641, 1642-1643, 1644-1645, 1646-1647, 1648-1649, 1650-1651, 1652-1653, 1654-1655, 1656-1657, 1658-1659, 1660-1661, 1662-1663, 1664-1665, 1666-1667, 1668-1669, 1670-1671, 1672-1673, 1674-1675, 1676-1677, 1678-1679, 1680-1681, 1682-1683, 1684-1685, 1686-1687, 1688-1689, 1690-1691, 1692-1693, 1694-1695, 1696-1697, 1698-1699, 1700-1701, 1702-1703, 1704-1705, 1706-1707, 1708-1709, 1710-1711, 1712-1713, 1714-1715, 1716-1717, 1718-1719, 1720-1721, 1722-1723, 1724-1725, 1726-1727, 1728-1729, 1730-1731, 1732-1733, 1734-1735, 1736-1737, 1738-1739, 1740-1741, 17

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THE SYDNEY

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**Y. MORNING HERALD,**  
**STONES AND MARBLE FOR SALE**

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ATURDAY, MARCH 2,

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## LESS ANNOUNCEMENTS RICKY

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AND MOTOR CASE

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**BICYCLES AND MOTOR CARS.**

**"MITCHELL."** **"MITCHELL."**

RUNABOUT, 1912. RUNABOUT, 1912.

The greatest value ever offered in Cars to the Australian Public, with the reputation of a NOTED FACTORY behind it.

**SHORT SPECIFICATION.**

Two-passenger, 15-50 h.p., 100 inch wheel-base, four-doors, standard universal Rims, Minn. & Nite Tyres, FULL FLOATING car axle, pump lubrication, selective type transmission, three-speeds, forward and reverse, dual ignition, five "Solar" Lamps and Generator, Horn, Jack, Spare Tyre Carrier, Cape Cart Hook, and Screen, and complete set of tools.

**PRICE, £300. 2-SEATER. PRICE, £300. 2-SEATER.**

**PRICE, £350. 4-SEATER. PRICE, £350. 4-SEATER.**

This Car, a new Model from the "Mitchell Lewis" Factory, is without question **THE GREATEST PROPORTION** ever offered in Cars of its class, and is built with the "Mitchell" security of material and attention to detail which place all "Mitchell" Cars on such a high plane; this model we say unhesitatingly will compare more than favourably with Nigger Cars sold at TWICE its price, and what is more it has all the points required to make it specially suitable to Australian Roads, and conditions.

We cordially invite your inspection, and have no fear of your verdict.

We have now held the Mitchell line long enough to know its worth. Our Customers are satisfied, and we and our orders are steadily increasing.

No Car offers such value as the "Mitchell," and this applies to all Models.

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**OTHER MODELS.**

5-SEATER, 6 CYL., 30 H.P., £450. 5-SEATER, 6 CYL., 45 H.P., £625.

7-SEATER, 6 CYL., 50 H.P., £625.

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**H. KNIGHT EATON, EYES & CROWLE,**

TEMPORARY PREMISES, 375 KENT-STREET, SYDNEY.

1913  
MODEL A.

**THE CADILLAC "THIRTY."** 1913  
MODEL A.

ADDS TO ITS NUMEROUS OTHER EXCELLENT FEATURES

**THE DELCO SELF-STARTER.**

**THE DEVICE THAT NEVER FAILS.**

For four years the DELCO has been establishing an ever-increasing popularity. It has been tested—  
merchandise tested—by the fastest and severest of trials—long public use. And it has EMERGED TRI-  
UMPHANT.

The DELCO is operated by the same electrical system as controls the ignition and the whole of the  
CADILLAC lighting installation. To operate the DELCO, it is necessary simply to switch on the current.  
Other kinds of self-starters are operated by compressed air or from an accumulator. They sometimes  
don't "self-start." But the DELCO never fails. You want the most available when you buy a car, these  
are

**BUY A CADILLAC WITH THE DELCO.**

COMPLETE, WITH ALL FITTINGS,  
FORE-DOOR TOURING CAR, £2000; TORPEDO, £225.  
CARS FOR HIRE, DAY OR NIGHT.

WRITE—OR, BETTER, CALL—FOR CATALOGUE AND FULL INFORMATION,

**JOHN McGRATH, LTD.,**  
ARTHUR HERMAN, Mgr.,  
125 PITT-STREET, SYDNEY.

Sole N.S.W. Agents for THE PAIGE DETROIT RUNABOUT.

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A SOUND POLICY:—"If you have the money, always buy the best."

THE FAMOUS **COLONIAL "NAPIER."** (HOMELAND AND SMOKELESS.)

THE PROVED BEST CAR.  
AS USED BY ROYALTY AND NOBILITY ALL OVER THE WORLD.

SALES AGENTS:—EDMUNDS, 200, ADELAIDE ST., AUSTRALIA AND SOUTH AFRICA.

1915 MODELS (SPECIALLY DESIGNED FOR EXPORT)  
15 TO 100 H.P. £500 TO £21500.

"NAPIER."—The car which ran 54 hours without stopping on Brooklands Track, and averaged 63 miles per hour—a total of 1581 miles.

"NAPIER."—The car which has won more R.A.C. Races and Competitions for Reliability, Hill Climbing, etc., than any other car yet made.

"NAPIER."—The only British car to win a Gordon-Bennett Race.

"NAPIER."—The first car to run from London to Edinburgh on top gear all the way. No change of gear to be made from start to finish, under R.A.C. observation.

All 1915 Models for Australia have Buick-Whitworth Detachable Wire Wheels, or "Bankey" Ground Steel Wheels.

These Colonial "NAPIERs" have specially high clearance, large water cooling capacity, long flexible and strong springs, etc.

NO OTHER CAR HAS RECEIVED THE STUDY FOR AUSTRALIA'S CLIMATIC AND ROAD CONDITIONS LIKE THE

**"NAPIER"**

DO NOT BUY A CAR UNTIL YOU HAVE READ THE "NAPIER" BOOK, WHICH TELLS YOU WHAT THE "NAPIER" IS, AND ALL ABOUT ITS WONDERFUL PERFORMANCE.

SOLE AGENTS—  
**ALICE McNEIL and McINTOSH, LTD.,**  
20 to 25 ELIZABETH-STREET, SYDNEY.

Telephone, 201 Central.

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**SOLID HARD WORK ON COUNTRY ROADS**

is the one, and only test, that can satisfy you as to the merits of any car.

**"STAR" CARS ON STEEL WHEELS**

and pneumatic tyres are made specially for Australian roads, and are giving real satisfaction under trying conditions.

Here is the report of one "STAR" owner after his first long trip:—"Arrived here O.K. without a single adjustment."—E. Betta, Molog.

For more information, apply to the nearest subsidiary C. Rowley, Australia."

There is another after a few weeks' use— "Get on running speed," says the driver.  
Another report, after one year's service:—"Two twenty-h.p. STARS have each run 25,000 miles in 18 months; have advised our directors to adopt STARS."  
This result is after three years' use:—"Our 15-H.P. STAR has done 48,000 miles. Is putting as well as ever.—Chester Brown, May."

SOLE AGENTS:  
**LARKE, HOSKINS, AND COY., LTD.,**  
237-239 CASTLEREAGH-ST, SYDNEY.

Telephones: Office, Central 808; Workshops and Showrooms, City 271; Balmain-street Store and Storage Garage, City 206.

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**GET A GOOD THING AND STICK TO IT.**

That is our policy in regard to Motor Cycles. We have made a close definite Agency arrangement with the manufacturers of the

**L.M.C. MOTOR CYCLE.**

"KING OF MOTOR BICYCLES," because it is the best. We want no second-grade Motor Cycle. There is no equal to the L.M.C. Why should we handle any other make?  
The best is good enough for us. What about you?  
Do not let the slight extra cost of the L.M.C. prevent you from getting the right thing. Five minutes' inspection of the L.M.C. will bring you to our way of thinking.  
Call at our Showrooms, or send for catalogue.  
Look out for the L.M.C. at the Easter Show.

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SOLE AGENTS, W. AND F. LARKE, LIMITED,  
88 and 94 BAY-STREET, SYDNEY, near Grace Bove.

Telephones: Glorix 437 and 472.

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**STERNOL—THE LEADING LUBRICANT.**

"THERE'S SOMETHING IN IT."

IF YOUR GARAGE CANNOT SUPPLY IT, CALL ON US, WRITE OR 'PHONE US. WE ARE THE  
SOLE AGENTS.

**KINGLOC, LTD.,** SMITH-STREET, CAMPERDOWN.

PHONE, NEWTON STL.

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**MOTORISTS, PLEASE NOTE.**

AS FROM OCTOBER 6th, 1911, THE PRICE OF  
**BARNET GLASS MOTOR TIRES,**

HAS BEEN REDUCED; but, notwithstanding this reduction, the quality of these glass tires is as good, if not  
better, than ever.

NEW PRICE LISTS will be forwarded free on application.

**BARNET GLASS RUBBER CO., LTD.,**  
92 CLARENCE-STREET, SYDNEY.  
ALL STATES AND NEW ZEALAND.

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**SCORED CYLINDERS BORED,**

Broken Gear Cases rected, and all classes of Motor Work done at reasonable  
prices. Gargers should get in touch with us. Special price to the trade.

**THE VICTOR MOTOR CO. LTD.**

<b>CLEAR</b>	<b>LIVE</b>	<b>STOCK</b>
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SPORTING

THE TURF

Metropolitan sportsmen have this afternoon the choice of horse-racing at Canterbury, Sydney, and at the V.R.C. at Melbourne. The opening day of the V.R.C. Autumn Meeting provides a most interesting and profitable day for the sportsman. The opening day of the V.R.C. Autumn Meeting provides a most interesting and profitable day for the sportsman. The opening day of the V.R.C. Autumn Meeting provides a most interesting and profitable day for the sportsman.

**WAGTAIL RACING CLUB.** COROWA, Friday. At the Wagtail racing meeting on Friday the 1st of the horses that took part in the racing, meeting on the previous day faced the starter. The field was very strong, and the attendance was large. The following are the results of the races: Maiden Plate of £100. Mr. D. Williams' Lady Noddy, 1; Mr. A. Patten's Bismarck, 2; Mr. M. J. Patten's Bismarck, 3. Maiden Plate of £100. Mr. D. Williams' Lady Noddy, 1; Mr. A. Patten's Bismarck, 2; Mr. M. J. Patten's Bismarck, 3.

**THE NATIONAL CUP.** The National Cup is the most important race of the year. It is a race of 1000 guineas, and is open to all horses of the blood. The race is run at the Melbourne Cup Racecourse, and is the most important race of the year. The race is run at the Melbourne Cup Racecourse, and is the most important race of the year.

**THE VICTORIA RACING CLUB.** The Victoria Racing Club is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony.

**THE AUSTRALIAN RACING CLUB.** The Australian Racing Club is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony.

**THE NEW ZEALAND RACING CLUB.** The New Zealand Racing Club is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony.

**THE SOUTH AFRICAN RACING CLUB.** The South African Racing Club is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony. It is a club of 1000 members, and is the most important racing club in the colony.

[illegible]

## AUCTION SALES

[illegible]

Is partly laid out in orchard-apples, apricots, etc.  
See City Water laid on.  
Runs right down to Battle Bay.

**HIGH HALL ESTATE**

WILL BE SOLD BY AUCTION

**SATURDAY, MARCH 9.**

on our Usual Easy Terms, from \$1 down and 10% per month. This is an exceptionally good property, healthy and much-sought-after locality, and should command a ready sale. There are some twenty or more lots, with an average frontage of 30ft, with a depth up to 600. The Title will be Torrens.

The House known as HIGH HALL, consists of 6 rooms, iron roof, and will be offered to suit together with outchouses, stables, etc., and will be completed and balance on easy terms.

PLANS MADE IN A FEW DAYS FROM DEPT. II.

**ARTHUR RICKARD AND CO., LTD.,**

245 FIFTY-SEVEN, AUCKLANDERS AND REALTY SPECIALISTS.

By Order of the ADMINISTRATORS in the Estate of  
the late JOHN JOHNSON.

BOND,  
CLOSE TO BEACH AND THAM.

MAGNIFICENT BUILDING SITE,  
FRONTING BOND ROAD  
AND GLEN STREET.

Lithographs now being prepared.

BATT. ROAD, and FURVEY Ltd., have been in-  
structed to offer the above by public auction.

ON THE GROUND,  
AND  
SATURDAY, 22 MARCH, AT 3 P.M.

**SPECIAL NOTICE.**

**INDUSTRIAL HOME SITES, AUBURN.**

The auction sale of this property WILL NOT BE HELD THIS AFTERNOON, as originally intended.

It has been decided that this property will be submitted for private sale, and our salesman will be on the ground NEXT SATURDAY, 9th MARCH, to deal with intending buyers. Prices, terms, etc., will be announced in daily papers during next few days.

Call-Down to the Estate: Messrs. R. A. MONROE KING  
and DOWD, 2 Cantonment-street.

**WOLLONGONG,**

—

**SURF BEACH ESTATE.**

—

**AUCTION SALE, ON THE GROUND**  
**THIS DAY, AT 4 O'CLOCK,**

—

**IN CHOICE and CONVENIENT ALLOTMENTS** having  
large frontages and depths, extensive Coasts and  
Mountain Views.

**ARTHUR RICKARD AND CO., LTD.,**  
608 Fifth St., Antigonish and Realty Specialists.

---

**A REALLY FINE HOME SITE.**

We have no hesitation in saying that, in submitting Longview Estate, Nova Scotia, we are offering the very best home site in the district. It has every possible advantage in favour—elevation, outlook, soil, and accessibility.

The Chignecto-Marylands district is rapidly becoming prosperous, and the general population is increasing daily.

**LONGVIEW ESTATE MARYLANDS**

**W. E. B. REED**  
**AUCTIONEER.**

---

**PORT STEPHENS LAND SALE.**

**JAMES COOKE**, Auctioneer, will sell by public auction on account of **JACOB HUGHES, Esq.**,  
**56 TOWNSHIP ALLOTMENTS AT THE GARDENS**  
**SATURDAY, MARCH 31, 1893, at 4 P.M.**  
**MALVERN HILL**, (Croydon).—Valuable portion, 60 acres  
on Hill, next Art. Richardson and Richards, Ltd.

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**OF PURVES, Limited,**  
**AGENTS AND VALUATORS.**  
**OF ROOMS AND ON THE GROUND.**  
**OF RENTS AND ENTIRE MANAGEMENT OF PROPERTIES, AGENCIES, AND OWNERS.**  
Letting where we Collect the Rents.

consists of over 100 choice allotments, with an average frontage of 500, and an  
instance a depth of nearly 1500 feet. The property is nicely elevated, and  
commands very fine views of the Parramatta River and the picturesque out-  
crop—Glenfield Hill, etc.

It is only some ten minutes from Maryville station, and about 25 miles to  
Marble Park or Parramatta. Maryville itself is just 15 miles from Sydney,  
and can be reached by frequent train service.

Longview Estate includes our well-known and quick-selling Foxley Estate  
conveniently is close handy to shops, schools, etc. Goodland and Foxley Estates  
are only a short distance away, as are several other important markets.

**AUCTION, SATURDAY, MARCH 16th,**

Longview will be offered for sale on this date, and we expect the bidding to  
be good. As usual, we will sell on very Easy Terms, from all done at  
monthly the every 25th purchased. The Title will be perfect.

Please ready at an early date.

**ARTHUR RICKARD AND CO., LTD.,**

AS FITZGERALD, AUCTIONEERS AND REALTY SPECIALISTS.

**EROOMS, 88 PITT-ST.**  
Write in Call for our "Per Sale" List.

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**SATURDAY.**

**"FLANADE," BRIGHTON-LE-SANDS.**  
TWO'S BEACH, and close to town at Shady Rock,  
BATHING.

**SALE OF THE GROUND,**  
**10th MARCH, AT 3 P.M.**

**5 TITLES.** **LITING NOW READY.**  
Plans at 2/6 per acre. Inquiries to

**ABBOTSFORD ESTATE.**

ONLY A FEW CHOICE LOTS NOW AVAILABLE.

The Site of the BEAUTIFUL, PARANAMATTA RIVER, WITH TRAM AND FERRY RIGHT TO THE BRIDGE.

HEAVY BUILDING LAND.

GRAND HOSPITAL BLOCK.

**POSITIVE CLEARANCE SALE ON THE GROUND.**

**NEXT SATURDAY, 9th MARCH, AT 3 PM.**

UNPARALLELED VIEW OF PARANAMATTA RIVER, AND EXCELLENT BUILDING LAND.

TITLE TOWN. Surveys protected with Building Contract. Gas and Water.

TERMS.—NORTH ROAD Frontages, 30 per cent; other lots, all deposit, and bal. 5 years, 100 per cent.

**HUGH DUFF AND CO.,**

AUTOMOBILES, 305 GEORGE-STREET, AND AT CHATEWOOD AND MCKENZIE.

FREE STEAMER TICKETS ON APPLICATION.

AND PURVES, LTD.,  
100, QUEEN STREET.  
**RODGE ESTATE,**  
WESTLAND,  
Fruitful, and close to Victoria Park Racecourse.  
**6 ACRES, BOURKE STREET,**  
BOWLING MACPHERSON STREET,  
ABOUT 1/2 ACRES,  
FACTORY SITE,  
ON THE GROUND.  
**MARCH, AT 3 P.M.**  
AND PURVES, LTD.,  
100, QUEEN STREET.

**CRONULLA. CRONULLA.**

CRONULLA is destined to be a very important Townsville, and WITHOUT DOUBT is fast becoming the MOST POPULAR and SELECT of SYDNEY'S BEACH RESORTS.

These desires of securing an allotment for a Week-end in this favorite suburb, cannot better than secure a block in LEE

**KURRULLA ESTATE.**

30 EXCELLENT BUILDING SITES.

A BEAUTIFUL ESTATE, situated on the HEIGHTS OF CRONULLA, fronting FRANKLIN and VIEW ROADS, overlooking the whole of the bay, and commanding extensive views of the OCEAN and KURRULLA BAY AND GUNNARATH BAY.

AUCTION SALE ON THE GROUND,

**SATURDAY, 16th MARCH, AT 3 P.M.**

"KURRULLA ESTATE" is only a few minutes' walk from the LOVELY OCEAN BEACH, and only minutes' walk from the Grand Bay and splendid Hotel Building. LAND TERMS \$40 Deposit, balance 5 years. 5 & 6 per cent. per annum. TITLE TOLLERS.

PLANS ON APPLICATION.

**HUGH DUFF AND CO., AUCTIONEERS, 283 GEORGE-ST.**

(In conjunction with G. J. MONRO, Cronulla.)

**HEIGHTS.**  
Extensive Frontage to Merland-road. ACCESS TO CITY  
SUBDIVISION FOR ABSOLUTE SALE,  
IN GROUND,  
**MARCH, AT 3 P.M.**  
ON TORRENS TITLE. EAST TERMS.  
**AND PURVER, LTD.,**  
PITT-STREET, SYDNEY.

**CHATSWOOD—ROSEVILLE.**

**IMPORTANT SALE OF FERNCOURT ESTATE**

BY PUBLIC AUCTION, ON THE GROUNDS, ON

**SATURDAY, 23rd MARCH, AT 3 P.M.**

FONTAINE TO DARLING-STREET, WILMAH-STREET, MACQUARIE-STREET, AND FERNCOURT-AVENUE.

Also THE BEAUTIFUL MODERN COTTAGE-MANOR, built of brick, and of fine design, containing  
ENTRANCE HALL, DRAWING ROOM 16 x 10, DINING ROOM 12 x 8, MORNING-ROOM 12 x 8, B. R.,  
KITCHEN (new kitchen 9 x 10), large combined Bathrooms and Lavatory, with fixed bath and  
W.C., Hall, Man's Room, Man's Room, large Laundry, Conservatory, Coach-house, stable, carriage  
drives, tennis court, paddocks, etc.

Ferncourt Estate is about 6 minutes walk from Chatswood Town, 15 minutes from Chatswood Station,  
10 minutes from Roseville Station, surrounded by very choice residences, including First Flanking  
Lane, William Road, Lane, TORRENS VILL.

TERMS.—£3 per Lot deposit, Balance 26 monthly payments, £ 5 per cent. interest per annum.  
Terms for Mortgage, 10 per cent. deposit, 10 per cent. in three months, balance 3 years at 5 per  
cent. interest.

SUB BUILDING LOTS. 44  
 TERMS TITLE.  
 NEAR STATION.  
 AND ONLY 14 HOUR FROM STNEY.  
 ON GROUND AT 5 O'CLOCK,  
 Y. MARCH 9, 1912.  
 TERMS FREE ON GROUND.  
 On and Litho. apply  
 OR E. S. MILLER & CO.,  
 1144 PITT STREET, CITY  
 And at Springfield and Kalamazoo,  
 Phone, City 267.

**HUGH DUFF AND CO.,**  
AUCTIONEERS, 225 GEORGE-STREET, SYDNEY, CHATSWOOD, and MORRIS.

---

**CRONULLA—"WOOLOOWARE ESTATE."**

Yet another chance is offered to those desirous of securing a splendid Allotment for a water-front "WOOLOOWARE ESTATE" comprising a pretty undulating block of Some 8 Acres, and situated on a very level corner with

DEPTH OF 50 FEET.

Situate only 40 chains from the CRONULLA HOTEL and THE SURF. Only a Few Yards from Bathing on the OCEAN BEACH.

AUCTION SALE ON THE GROUND.

**SATURDAY, 30th MARCH, AT 3 P.M.**

TITLE TORRENS. EASY TERMS.

PLANS IN COURSE OF PREPARATION.

**HUGH DUFF AND CO., AUCTIONEERS, 225 GEORGE-ST.**  
(in conjunction with C. J. MORRIS, Cronulla).

Vendors: INTERCOLONIAL INVESTMENT, LAND, and BUILDING COMPANY, Ltd., of Melbourne.

**P SITES.**  
**LOW COTTAGE.**

Detail, at corner of King-street and the Great  
The subdivision adjoining the present shops, and  
in view of the marvellous development of  
shops are necessary, and the lots now offered  
small sites there. They measure 26 x 167,  
42 x 158, the highest lots in Five Dock,  
shops, and complete offices. Land, 10 x 20  
numbered, and Solicitors are Fitzhardinge, Ross,  
ON THE LAND,  
MARCH 28, AT 2.  
66, Pitt street, SYDNEY.  
Phone, 20 City.



IN THE ESTATE OF J. W. KEDY.

[illegible]

**MACHINERY.**

**W. F. GREGORY AND CO.,**  
Engineers and Machinery Merchants,  
14 CLARENCE-STREET, SYDNEY.

Agents for—  
J. A. Fay and Egan Co. Woodworking Machinery,  
Shawnee, Chicago, U. S. A. and Planer  
Knives.  
"Original" Pickering Goggles.  
Mason Stone and Water Reducing Valves.  
"American" All Wrought Steel Pipe.  
H. F. Stewart's Blowers and Exhaust Fans.  
Smith and Mills' Shapers.  
Harrison's Milling Machine.  
Modern High Speed Lathes.  
Rapid Up and Down Tools.  
American Malters.

**ENGINEERS' AND SAW MILL REQUISITES  
IN STOCK.**

**A. BENTLEY LEAFBLASTING AND CO.,**  
Manufacturers of Portable Engines and Tractor En-  
gines; "Robey" Threshing Machine, "Robey" Lep-  
laphing Machine, "Robey" Portable Engines, and  
Road-making Machinery; "National" Gas Engines  
and Station Pumps; Economical "Grand Prix" and  
"Steam" "General Purpose" "National" Oil Engines;  
"National" Gas Engine Oil, "National" Lamps; Blotting;  
"National" "General Purpose" "National" Oil Engines;  
and Ball-bearing Furnishes; Gas Engine Repairs; all  
kinds of Repairs; Second-hand Gas Engines and  
Machinery. Showrooms Circular Quay,  
(opposite Water's Ferry Wharf), Sydney.

**A. F. FAIRBairNE and HODGSON.**  
20 York-street, Sydney.  
36 Collins-street, Melbourne.  
CAMPELL'S PATENT GAS ENGINES.

**R. L. SCRUTTON AND CO., LTD.,**  
HAVE A LARGE STOCK OF  
DRUMMOND LATHES.

To clear cheaply to make room for the sale  
of  
MARCOY AND ESTERDA LATHES  
now landing.

**M. L. SCRUTTON AND CO., LTD.,**  
21 CLARENCE-STREET, SYDNEY.

**HAYES' CORINTHUM** are absolutely the best  
quickest cutting GRINDING WHEELS  
for all kinds of work in stock.  
JOHN O'NEILL and CO., 498 Kent-  
street.

**WOOD-WORKING MACHINERY.**

**SAGOR'S MACHINES**  
are accurately and cheaply made in British work-  
shops and in every way merit the ever-increasing de-  
mand for up-to-date machinery.

**WE HAVE IN STOCK—**  
Band-saws, Mortising, Trenching,  
Planing Machines, Hot Saw, Peeling, Out-fed Saws,  
Planers, Buzz Planers, etc.  
Write for illustrated descriptive catalog.

**ACHE MACHINERY TOOLS CO.,**  
Westcott-place.

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LTD.  
Engineers  
Registers a  
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to Mr. Hoff's  
"TRADING  
with the Green

WATKINSON-BRIDGE FOUNDRY CLIPPERS  
AND STEEL CASTING WORKS, 100, WATERLOO  
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MARINE ENGINES (horizontal and vertical),  
OIL ENGINES, PORT AND STARBOARD  
CENTRAL POWER PLANT EQUIPMENT,  
SILVERDALE, BRONZE AND NEWBOLD, Ltd.,  
Sheffield, England.  
Manufacturers of their celebrated Circular and  
Vertical Saw, Patent Band Saws, Ordinary and  
High-speed Steel Planing Machine, and  
High-speed Steel Slitting Machine, and all sections,  
and for all purposes.

Head Offices  
11 CLARENCE-STREET, SYDNEY.  
Where we carry heavy stocks of all the  
HUNTINGDON MILLS, with or without complete  
PLANT, for SALE, by J. R. TIGHE and  
CO., 100 Hunter-street, Tel. 2,000 City.

Flexible  
We are Sole Agents for the above, which is largely  
used by the Royal Admiralty, Leading Shipping Com-  
panies, Railway Department, etc.  
Stocks in Sydney and BRONZE.

WM. ADAMS AND CO., LTD.,  
175 Clarence-street,  
FOR SALE.

SEYCOIL OIL ENGINE AND DYNAMO Combined, New,  
FOR SALE at very low price.  
WM. ADAMS AND CO., LTD., 175 Clarence-street.

EMERSON, WALKER, AND  
ENGLISHMADE WINCHER  
AND WINDLASS  
DOUBLE-CYLINDER SHUTT VALVES  
ALL SIZES IN STOCK.  
Send for Catalogue  
T. WILDRIDGE and BENCLAY, Ltd.,  
80 Pitt-street, Sydney.

For all Kent-street, Sydney.  
STEEL TRAWLERS' SAFES  
70 lbs per quart, large quantities for Sale, in  
and to arrive, also in 100, 150, 200, 250, 300, 400,  
500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400,  
1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300,  
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 HIGH STREET AND TWIST DRILLING,  
 MILLING CUTTER BLANKS, TURNING,  
 ORDINARY TWIST DRILLS, TAPS,  
 REAMERS, AND ALL KINDS OF  
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 MINERS' DRILL STEEL.  
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Can be inspected at our Works.  
**MOTT'S DOCK AND ENGINEERING CO., Ltd.,**  
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 REFRIGERATE BALLS, No Reasonable Offer Refused.  
 Best Winding, all Size, Shafting, all Sizes, all  
 Pumping Machines, Leather Firms, Wire Strainers, all  
 Precision Worms, Chaffcutters, Motors, Schmitt  
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 proof Doors, Steam Jacket Pans, Confectionery  
 Machines, Pump French Buckets, etc. & all kinds of rollers

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**THE HORNBEY GAS ENGINE AND PLANTS HAVE**  
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Land and Marine Turbines.  
In Stock. Call and inspect.

**BROWN and HELLICAR, Ltd., 100 Pitt Street,**  
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ELECTRIC MOTORS for driving all classes of  
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1 to 5 Tons Lifting Capacity, always in stock.  
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**POULERS** for Sale, new patent Tobacco S.p.,  
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**CRANE ROVERS and BALL-BEARING**  
Call or Phone. 217 Lichfield street, Sydney.  
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Tel: Central 4377, 3445; City 3481.  
**OXYGEN-ACETYLENE WELDING.**  
We acquire and Weld all kinds of Broken Ma-  
chinery by this process.  
**W. HOBKINS and SON,**  
Church-street, Fremantle.

D.,  
HINDS, Machinery Merchants,  
Young and Bridge streets, SYDNEY.  
**R**AHA  
SIDE-TYPING THICKER  
LOCOMOTIVE  
Large Stocks of all RAILWAY MATERIAL.  
AUSTRALIAN STEEL CO., Ltd.,  
at Clarendon street, Sydney.

LFTS.  
**H**EADING MACHINE  
Just arrived, shipment of DRILLING MACHINES,  
suitable for Engineers, Blacksmiths, and Wheelwrights,  
Sydney.

SOME SALE CHURCH DOUBT CITIES  
HORIZONTAL ENGINE.  
Optimists make it safe work with rope &  
whiplash, new report, policy paper, lead water  
all steam pipes, pumps, and injection  
gears, and clams; containing large  
and Wessels Water-tube Boilers.  
HOWARD AND SONS, Melbourne, Pitt-street  
FORBES, 120, 122, 6in, 8in, 9in, 10in, 12in  
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